

IN THE CLAIMS:

Please amend the claims as shown immediately below with all changes (e.g., additions, deletions, modifications) included, pursuant to 37 C.F.R. 1.121(c)(1).

Complete listing of the claims:

1. (Currently Amended) A method for remotely controlling a set of functions related to a wireless audio system from a remote central control, said method comprising the steps of:
 - providing an audio system that includes a transmitter and a receiver;
 - detecting an audio signal via an acoustic transducer located within the transmitter;
 - modulating a tone burst with a frame of data, including a header with address information, a payload and a trailer, said payload of said frame of data containing ~~two or more~~ a plurality of predetermined, real time status values ~~characteristics regarding of monitored functions within~~ said transmitter disposed within respective predetermined locations of the frame;
 - mixing the modulated tone burst with the detected audio signal;
 - modulating the mixed audio signal and modulated tone burst;
 - transmitting the modulated audio signal and tone burst from the transmitter to the receiver and storing the frame of data therein;
 - establishing a link between the receiver of said wireless audio system and a central control for remotely controlling the set of functions through a communication network;
 - determining whether or not any problems exist by monitoring said data stored in said receiver from said central control;
 - communicating from said remote control to said audio system appropriate remedial actions to alleviate any of said problems.

2. (Original) The method of claim 1, wherein said audio system comprises a wireless audio system.
3. (Original) The method of claim 2, wherein said wireless audio system comprises a wireless microphone system.
4. (Original) The method of claim 3, wherein said transmitter comprises a handheld device.
5. (Original) The method of claim 3, wherein said transmitter comprises a body pack.
6. (Original) The method of claim 1, wherein said receiver comprises a diversity receiver.
7. (Original) The method of claim 1, wherein said data comprises data regarding characteristics of said transmitter or said receiver that can be monitored but not controlled.
8. (Original) The method of claim 7, wherein said data is selected from a group consisting of: receiver internet protocol address, receiver link address, receiver RF level, receiver AF level.
9. (Original) The method of claim 1, wherein said data comprises data regarding characteristics of said transmitter or said receiver that can be monitored and controlled.
10. (Original) The method of claim 9, wherein said data is selected from a group consisting of: receiver name, receiver frequency, receiver squelch level, receiver meter hold, receiver antenna power, receiver mute, default display on receiver state, receiver lock condition, receiver load present, and receiver save preset.

11. (Original) The method of claim 1, wherein said communicating step includes the step of transmitting replacement data to said receiver that is implemented by said receiver.
12. (Original) The method of claim 11, wherein said data is selected from a group consisting of: receiver name, receiver frequency, receiver squelch level, receiver meter hold, receiver antenna power, receiver mute, default display on receiver state, receiver lock condition, receiver load present, and receiver save preset.
13. (Original) The method of claim 1, wherein the receiver of said audio system comprises a master receiver and two or more slave receivers that are operatively coupled to said master receiver, each of said slave receivers including a slave transmitter associated therewith.
14. (Original) The method of claim 13, wherein said transmitting step comprises the step of transmitting data from the slave transmitter associated with one of said slave receivers to said master receiver, and transmitting said data from said master receiver to said central control.
15. (Original) The method of claim 1, wherein said transmitting step comprises the steps of combining data associated with said transmitter with a pilot tone signal, mixing said combined data/pilot tone signal with an audio signal, and transmitting said combined data/pilot tone/audio signal to said receiver.
16. (Original) The method of claim 15, wherein said pilot tone signal is at approximately 32 kHz.
17. (Currently Amended) A wireless microphone system comprising:
a microphone;

a CPU that provides coded and serialized information including a frame of data containing a header with address information, and a payload including a plurality of predetermined, real time status indicators of monitored functions within the wireless microphone, said plurality of status indicators disposed within respective predetermined locations of the payload of the frame;

tone burst creation circuitry that incorporates the provided coded and serialized information into a pilot tone burst;

a mixer that mixes detected audio from the microphone with the pilot tone burst;

a modulator that modulates the mixed audio and pilot tone burst; and

a wireless transmitter that wirelessly transmits the modulated audio signal from the microphone mixed with the pilot tone burst.

18. (Previously Presented) The wireless microphone system as in claim 17 further comprising:

a wireless receiver located in the surrounding area of the wireless microphone that receives the transmitted audio signal and plurality of status indicators from the wireless microphone;

a central control that remotely controls a set of functions of the wireless microphone system; and

a communications link established between the wireless receiver and central controller through a public communication network.

19. (Currently Amended) A wireless microphone system comprising:

a handheld wireless microphone or body pack including an audio management block, a CPU, a mixer, a modulator and an output antenna wherein the audio management block changes an audio signal into an electric signal, the CPU provides coded and serialized information about the handheld wireless microphone or body pack including a data frame, said data frame including

a header with address information and a payload, said payload including a plurality of predetermined, real time status values of monitored functions within the handheld wireless microphone, the CPU modules a pilot tone with the coded and serialized information including the data frame where the coded and serialized information occupies respective predetermined locations within the frame, the mixer mixes the changed audio signal and modulated pilot tone and the modulator modulates the the mixed changed audio signal and pilot tone burst for wireless transmission through the output antenna.

20. (Previously Presented) The wireless microphone system as in claim 19 further comprising:

- a wireless receiver located in the surrounding area of the handheld wireless microphone or body pack that receives the transmitted audio signal and plurality of status indicators from the wireless microphone;

- a central control that remotely controls a set of functions of the wireless microphone system; and

- a communications link established between the wireless receiver and central controller through a public communication network.